IN THE CLAIMS:

Please amend claims 1-4, 16, and 35-37 as follows:

Claim 1 (once amended) A cellulosic multi-ply paperboard comprising:

(a) predominately cellulosic fibers;

(b) bulk and porosity enhancing additive interspersed with said cellulosic fibers in a controlled distribution throughout the thickness of said paperboard; and

(c) size press applies binder coating, optionally including a pigment adjacent both surfaces of the paperboard and penetrating into the board to a controlled extent; the overall fiber weight "w" of the paperboard being at least about 40 lbs./3000 square foot ream

(i) the distribution of the bulk and porosity enhancing additive throughout the thickness of the paperboard, and

(ii) the penetration of the size press applied pigment coating into the board, both being controlled to simultaneously produce at a fiber mat density of 3, 4.5, 6.5, 7, 8.3 and 9 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively:

(A) a GM Taber stiffness of at least about [0.00716 $w^{2.63}$] $\underline{0.00501w^{2.63}}$ grams-centimeter/fiber mat density$^{1.63}$ [pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch]; and

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(B) at a fiber mat density of about 3 to 9 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, a GM tensile stiffness of at least [1890+24.2 w] 1323+24.2w pounds per inch.

Claim 2 (once amended) The multi-ply paperboard of claim 1 wherein at a fiber mat density of 3, 4.5, 6.5, 7, 8.3, and 9 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, the GM Taber stiffness is at least about [0.00501 $w^{2.63}$] 0.00716$w^{2.63}$ grams-centimeter/fiber mat density$^{1.63}$ [pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch], and the GM tensile stiffness is at least [1323+24.2 w] 1890+24.2w pounds per inch.

Claim 3 (once amended) The multi-ply paperboard web of claim [2] 1 wherein at a fiber mat density of 3, 4.5, 6.5, 7, and 8.3 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively, the GM Taber stiffness is at least [0.0084 $w^{2.63}$] 0.00084$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00043 $w^{2.63}$] 0.00043$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00024 $w^{2.63}$] 0.00024$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00021 $w^{2.63}$] 0.00021$w^{2.63}$ grams-centimeter, and [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, and 0.00016 $w^{2.63}$]

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0.00016$w^{2.63}$ grams-centimeter [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch].

Claim 4 (once amended) The multi-ply paperboard web of claim [3] 1 wherein at a fiber mat density of 3, 4.5, 6.5, and 7 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively, the GM Taber stiffness is at least [0.0084 $w^{2.63}$] 0.00084$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00043 $w^{2.63}$] 0.00043$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00024 $w^{2.63}$] 0.00024$w^{2.63}$ grams-centimeter, and [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, and 0.00021 $w^{2.63}$] 0.00021$w^{2.63}$ grams-centimeter [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch].

Claim 16 (once amended) The paperboard of claim 1 wherein the bulk and porosity enhancing additive interspersed throughout the thickness of said paperboard [comprise] comprises continuously or discontinuously coated expanded or unexpanded microspheres.

Claim 35 (once amended) The article of manufacture of claim 34 wherein at a fiber mat density of 3, 4.5, 6.5, 7, 8.3, and 9 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively, the GM Taber stiffness is at least about

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[0.00501 $w^{2.63}$] 0.00716$w^{2.63}$ grams-centimeter/fiber mat density$^{1.63}$ [pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch], and the GM tensile stiffness is at least [1323+24.2 w] 1890+24.2w pounds per inch.

Claim 36 (once amended) The article of manufacture of claim [35] 34 wherein at a fiber mat density of 3, 4.5, 6.5, 7, and 8.3 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively, the GM Taber stiffness is at least [0.0084 $w^{2.63}$] 0.00084$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00043 $w^{2.63}$] 0.00043$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00024 $w^{2.63}$] 0.00024$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00021 $w^{2.63}$] 0.00021$w^{2.63}$ grams-centimeter, and [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, and 0.00016 $w^{2.63}$] 0.00016$w^{2.63}$ grams-centimeter [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch].

Claim 37 (once amended) The article of manufacture of claim [36] 34 wherein at a fiber mat density of 3, 4.5, 6.5, and 7 pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch respectively, the GM Taber stiffness is at least [0.0084 $w^{2.63}$] 0.00084$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00043

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$w^{2.63}$] 0.00043$w^{2.63}$ grams-centimeter, [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, 0.00024 $w^{2.63}$] 0.00024$w^{2.63}$ grams-centimeter, and [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch, and 0.00021 $w^{2.63}$] 0.00021$w^{2.63}$ grams-centimeter [grams-centimeter/fiber mat density$^{1.63}$ pounds per 3000 square foot ream at a fiberboard thickness of 0.001 inch].

BASIS FOR REISSUE

U.S. Patent 6,379,497 ("the '497 patent") issued on April 30, 2002, with claims 1-69. Through error, without any deceptive intent, the patentees claimed less than they had a right to claim in the '497 patent. Accordingly, a reissue application is being filed pursuant to 35 U.S.C. § 251. This reissue is being filed on September 15, 2003; because two years have not elapsed since the patent issued, a broadening reissue is available. This preliminary amendment is being filed concurrently with the reissue application.

STATUS OF CLAIMS

Claims 1-69 are pending in this reissue application. Claims 1-4, 16, and 35-37 have been amended. Claims 5-34 and 38-69 remain pending and unchanged.

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